What is claimed is:

1. A dispensing apparatus comprising:

an output shaft ~~(32)~~ having screw grooves on an outer circumferential surface;

a rotary actuator ~~(31)~~ including a reduction gear ~~(312)~~ and configured to rotate the output shaft ~~(32)~~ around an axis of the output shaft ~~(32)~~;

a piston ~~(33)~~ screwed into the screw grooves of the output shaft ~~(32)~~ and configured to move back and forth along an axial direction of the output shaft ~~(32)~~ by drive of the rotary actuator ~~(31)~~;

a nozzle ~~(23)~~ disposed at a leading end of the dispensing apparatus and configured to suck and spout liquid in accordance with the back and forth movement of the piston ~~(33)~~; and

an actuator case ~~(35)~~ configured to cover an outer circumferential portion of the reduction gear ~~(312)~~, and configured to support a proximal end portion of the output shaft ~~(32)~~ by a leading end portion of the actuator case ~~(35)~~ such that the proximal end portion of the output shaft ~~(32)~~ is engaged with a leading end portion of the reduction gear ~~(312)~~ in a state capable of transmitting the drive, wherein~~.~~

~~2. The dispensing apparatus according to claim 1,~~

~~wherein~~ the reduction gear ~~(312)~~ is equipped with a planetary gear mechanism having a cylindrical ring gear ~~(312b)~~ with a bottom, and has a drive shaft unit ~~(312c)~~ which forms the leading end portion of the reduction gear

~~(312)~~ by protruding toward the leading end side in a center portion of a bottom wall outer surface of the ring gear ~~(312b)~~, and is partially formed with a planar contact surface, ~~and~~

when the drive shaft unit ~~(312c)~~ relatively enters an output recess formed in the proximal end portion of the output shaft ~~(32)~~ and the drive shaft unit ~~(312c)~~ rotates around an axis, the actuator case ~~(35)~~ rotatably supports the proximal end portion so as to enable to transmit the drive to the output shaft ~~(32)~~ by the contact surface coming into contact with an inner wall surface of the output recess, and

the output recess is formed by diverging to a bifurcated shape so that a surface in which parts thereof face each other becomes a plane.

2~~3~~. The dispensing apparatus according to claim 1 ~~or 2~~, further comprising:

a housing ~~(10)~~ that accommodates each component such that the axial direction of the output shaft ~~(32)~~ matches a longitudinal direction of the housing ~~(10)~~, and has an overall length greater than an overall width; and

a leading end side push button ~~(41)~~ that is disposed at a location close to the leading end side of the housing ~~(10)~~, and forms an operation input unit ~~(40)~~ for driving the rotary actuator ~~(31)~~.

3~~4~~. The dispensing apparatus according to claim 2~~3~~,

wherein the operation input unit ~~(40)~~ includes the leading end side push button ~~(41)~~, and a proximal end side

push button ~~(42)~~ disposed at a predetermined position of the proximal end side of the housing ~~(10)~~, and when one of the leading end side push button ~~(41)~~ and the proximal end side push button ~~(42)~~ is pressed, the operation input unit ~~(40)~~ drives the rotary actuator ~~(31)~~.

~~5. The dispensing apparatus according to claim 3 or 4, further comprising:~~

~~an ejection mechanism (50) that engages and disengages a chip attached to the nozzle (23) from the nozzle (23) when a first ejection lever (51) disposed at a location close to the leading end side of the housing (10) or a second ejection lever (52) disposed at a proximal end region of the housing (10) is operated.~~